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Evangelos Vergetis, Roch Guérin, Saswati Sarkar
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Channel or path diversity is known to improve performance in physical layer designs, channel
access strategies, path switching mechanisms, etc. In this paper, we focus on "user-level"
mechanisms that operate simply by distributing packet transmissions ...

Keywords: channel diversity, cross-layer designs, open-loop control, robustness

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Thomas Kunz
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Multicasting is intended for group-oriented computing. There are more and more applications
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**4**
Adaptive group multicast with time-driven priority

Mario Baldi, Yoram Ofek, Bülent Yener
February 2000 IEEE/ACM Transactions on Networking (TON), Volume 8 Issue 1
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Keywords: fairness, multicast, quality of service, real time, ring networks, scheduling, time-driven priority


5   Centaurus: an infrastructure for service management in ubiquitous computing environments
Lalana Kagal, Vladimir Korolev, Sasikanth Avancha, Anupam Joshi, Tim Finin, Yelena Yesha
November 2002 Wireless Networks, Volume 8 Issue 6
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In the near future, we will see dramatic changes in computing and networking hardware. A large number of devices (e.g., phones, PDAs, even small household appliances) will become computationally enabled. Micro/nano sensors will be widely embedded in ...

Keywords: mobile computing, pervasive computing, service management, ubiquitous computing


6   Medium access control with coordinated adaptive sleeping for wireless sensor networks
Wei Ye, John Heidemann, Deborah Estrin
June 2004 IEEE/ACM Transactions on Networking (TON), Volume 12 Issue 3
Publisher: IEEE Press
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This paper proposes S-MAC, a medium access control (MAC) protocol designed for wireless sensor networks. Wireless sensor networks use battery-operated computing and sensing devices. A network of these devices will collaborate for a common application ...

Keywords: energy efficiency, medium access control (MAC), sensor network, wireless network


7   Energy-efficient wireless ATM design
Paul J. M. Havinga, Gerard J. M. Smit, Martimus Bos
June 2000 Mobile Networks and Applications, Volume 5 Issue 2
Publisher: ACM
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8   TCP offload through connection handoff
Hyong-youb Kim, Scott Rixner
April 2006 EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys European Conference on Computer Systems 2006
Publisher: ACM
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This paper presents a connection handoff interface between the operating system and the network interface. Using this interface, the operating system can offload a subset of TCP connections in the system to the network interface, while the remaining ...

Keywords: TCP offload, connection handoff, operating system, programmable network interface

9  TCP offload through connection handoff

Hyong-youb Kim, Scott Rixner

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Keywords: TCP offload, connection handoff, operating system, programmable network interface

10  Location-aided routing (LAR) in mobile ad hoc networks

Young-Bae Ko, Nitin H. Vaidya

July 2000 Wireless Networks, Volume 6 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(242.42 KB) Additional Information: full citation, references, cited by, index terms

11  Defending against distributed denial-of-service attacks with max-min fair server-centric router throttles

David K. Y. Yau, John C. S. Lui, Feng Liang, Yeung Yam

February 2005 IEEE/ACM Transactions on Networking (TON), Volume 13 Issue 1

Publisher: IEEE Press

Full text available: pdf(820.35 KB)    Additional Information: full citation, abstract, references, cited by, index terms, review

Our work targets a network architecture and accompanying algorithms for countering distributed denial-of-service (DDoS) attacks directed at an Internet server. The basic mechanism is for a server under stress to install a router throttle at selected ...

Keywords: congestion control, distributed denial of service, network security, router throttling

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